SEQUENCE LISTING

<110> Gendaq Limited

<120> Screening System

<130> 674538-2003

<140> 09/851,271
<141> 2001-05-08

<150> PCT/GB99/03730
<151> 1999-11-09

<150> GB9824544.2
<151> 1998-11-09

<160> 16

<170> PatentIn version 3.0

<210> 1
<211> 264
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_structure
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<223> sequence coding for a zinc finger protein

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gcagaagaga agccttttca gtgtcgaatc tgcatgcgta acttcagcga tcgtagtagt 60

cttacccgcc acacgaggac ccacacaggc gagaagcctt ttcagtgtcg aatctgcatg 120

cgtaacttca gcaggagcga taaccttacg agacacctaa ggacccacac aggcgagaag 180

ccttttcagt gtcgaatctg catgcgtaac ttcaggcaag ctgatcatct tcaagagcac 240

ctaaagaccc acacaggcga gaag 264

<210> 2
<211> 88
<212> PRT
<213> Artificial Sequence

<220>
<221> ZN_FING
<222> (1)..(88)
<223> protein sequence encoding a zinc-finger domain

<400> 2

Ala Glu Glu Lys Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser
1 5 10 15

Asp Arg Ser Ser Leu Thr Arg His Thr Arg Thr His Thr Gly Glu Lys
20 25 30

Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp Asn
35 40 45

Leu Thr Arg His Leu Arg Thr His Thr Gly Glu Lys Pro Phe Gln Cys
50 55 60

Arg Ile Cys Met Arg Asn Phe Arg Gln Ala Asp His Leu Gln Glu His
65 70 75 80

Leu Lys Thr His Thr Gly Glu Lys
85

<210> 3
<211> 31
<212> PRT
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<220>
<223> Sequence of the Zince Finger Framework

<220>
<221> UNSURE
<222> (1)..(31)
<223> 'X' can be any amino acid as described in the specification

<400> 3

Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Xaa His
20 25 30

<210> 4
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Sequence of the Zince Finger Framework

<220>
<221> UNSURE
<222> (1)..(31)
<223> 'X' can be any amino acid as described in the specification

<400> 4

Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Xaa Cys
20 25 30

<210> 5
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Sequence of the Zinc Finger Nucleic Acid Binding Motifs

<220>
<221> UNSURE
<222> (1)..(24)
<223> 'X' can be any amino acid as described in the specification

<400> 5

Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Leu Xaa Xaa His Xaa Xaa Xaa His
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<210> 6
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(4)
<223> linker

<400> 6

Thr Gly Glu Lys
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<210> 7
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(5)
<223> linker

<400> 7

Thr Gly Glu Lys Pro

1 5

<210> 8
<211> 26
<212> PRT
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<220>
<221> ZN_FING
<222> (1)..(26)
<223> zinc finger consensus structure

<400> 8

Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp
1 5 10 15

Leu Val Lys His Gln Arg Thr His Thr Gly
20 25

<210> 9
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<221> ZN_FING
<222> (1)..(29)
<223> zinc finger consensus structure

<400> 9

Pro Tyr Lys Cys Ser Glu Cys Gly Lys Ala Phe Ser Gln Lys Ser Asn
1 5 10 15

Leu Thr Arg His Gln Arg Ile His Thr Gly Glu Lys Pro
20 25

<210> 10
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<212> PRT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(6)
<223> leader peptide

<400> 10

Met Ala Glu Glu Lys Pro
1 5

<210> 11

<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(4)
<223> smallest unit of stalling polypeptide sequence

<400> 11

Ala Ala Val Pro
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<210> 12
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(24)
<223> linker sequence followed by the stalling polypeptide sequence

<400> 12

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Ala Ala Val Pro
20

<210> 13
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<221> promoter
<222> (1)..(23)
<223> bacteriophage T7 RNA polymerase promoter sequence

<400> 13
taatacgact aactataggg aga 23

<210> 14
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<221> RBS
<222> (1)..(6)

<223> bacteriophage T7, gene 10 ribosome binding site

<400> 14
aaggag 6

<210> 15
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(18)
<223> DNA sequence encoding the ribosome stalling peptide sequence

<400> 15
atggttaaaa cagataaa 18

<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(6)
<223> ribosome stalling peptide sequence

<400> 16

Met Val Lys Thr Asp Lys
1 5